**Genome-Wide SNP Datasets for *ShiNyP* Demonstration**

1. **Chicken (*Gallus gallus*)**

Tan, X., Zhang, J., Dong, J., Huang, M., Li, Q., Wang, H., ... & Wang, D. (2024). Whole-genome variants dataset of 209 local chickens from China. *Scientific Data*, *11*(1), 169.

* **Download Site:** <https://identifiers.org/ena.embl:PRJEB71347>
* **Original Dataset:** 22,774,308 variants and 209 samples.
* ***ShiNyP* Demo Dataset:** 10,000 variants and 209 samples.

1. **Wild Rice (*Oryza rufipogon*)**

Kajiya-Kanegae, H., Ohyanagi, H., Ebata, T., Tanizawa, Y., Onogi, A., Sawada, Y., ... & Sato, Y. (2021). OryzaGenome2. 1: Database of diverse genotypes in wild *Oryza* species. *Rice*, 14, 1-8.

* **Download Site:**

<http://viewer.shigen.info/oryzagenome21detail/downloads/index.xhtml>

* **Original Dataset:** 2,463,549 variants and 446 samples.
* ***ShiNyP* Demo Dataset:** 13,077 variants and 446 samples.

1. **Yeast (*Saccharomyces cerevisiae*)**

Peter, J., De Chiara, M., Friedrich, A., Yue, J. X., Pflieger, D., Bergström, A., ... & Schacherer, J. (2018). Genome evolution across 1,011 *Saccharomyces cerevisiae* isolates. *Nature*, *556*(7701), 339-344.

* **Download Site:** <http://1002genomes.u-strasbg.fr/files/>
* **Original Dataset:** 1,754,866 variants and 1,011 samples.
* ***ShiNyP* Demo Dataset:** 10,000 variants and 1,011 samples.

1. **Human (*Homo sapiens*) *#*** *Human Genome Diversity Project (HGDP)*

Bergström, A., McCarthy, S. A., Hui, R., Almarri, M. A., Ayub, Q., Danecek, P., ... & Tyler-Smith, C. (2020). Insights into human genetic variation and population history from 929 diverse genomes. *Science*, *367*(6484), eaay5012.

* **Download Site:** <https://www.cog-genomics.org/plink/2.0/resources>
* **Original Dataset:** 75,310,370 variants and 929 samples.
* ***ShiNyP* Demo Dataset:** 10,000 variants and 929 samples.